IIE Transactions (2004) **36**, 1217–1232

DESIGN & MANUFACTURING

AUTHOR INDEX FOR 2004

Ammons, J.C., M.J. Realff and D.J. Newton; *Robust reverse production system design for carpet recycling*; August; 767

Brahmst, E., W. Huang, Z. Kong and D. Ceglarek; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

Ceglarek, D., W. Huang, Z. Kong and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237
Chandra, M.J., M.T. Traband and D.J. Medeiros; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777
Chen, C.-Y., L.-C. Chen and L. Lin; *Methods for processing and prioritizing customer demands in variant product design*; March; 203
Chen, L.-C., C.-Y. Chen and L. Lin; *Methods for processing and prioritizing customer demands in variant product design*; March; 203

de Véricourt, F. and S.B. Gershwin; *Performance evaluation of a make-to-stock production line with a two-parameter-per-machine policy: the control point policy*; March; 221

Feng, C.-X. and W.-F. Wang; *Data mining techniques applied to predictive modeling of the knurling process*; March; 253
Ferrer, G. and M.E. Ketzenberg; *Value of information in remanufacturing complex products*; March; 265
Foley, R.D., S.T. Hackman and B.C. Park; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279

Gershwin, S.B. and F. de Véricourt; *Performance evaluation of a make-to-stock production line with a two-parameter-per-machine policy: the control point policy*; March; 221

Hackman, S.T., R.D. Foley and B.C. Park; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279
Heragu, S.S. and G. Meng; *Batch size modeling in a multi-item, discrete manufacturing system via an open queuing network*; August; 743
Huang, W., Z. Kong, D. Ceglarek and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

Ketzenberg, M.E. and G. Ferrer; *Value of information in remanufacturing complex products*; March; 265
Klote, J.F. and R.D. Meller; *A throughput model for carousel/VLM pods*; August; 725
Kong, Z., W. Huang, D. Ceglarek and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

Li, J.; *Performance analysis of production systems with rework loops*; August; 755
Lin, L., C.-Y. Chen and L.-C. Chen; *Methods for processing and prioritizing customer demands in variant product design*; March; 203

Medeiros, D.J., M.T. Traband and M.J. Chandra; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777
Meller, R.D. and J.F. Klote; *A throughput model for carousel/VLM pods*; August; 725
Meng, G. and S.S. Heragu; *Batch size modeling in a multi-item, discrete manufacturing system via an open queuing network*; August; 743

Newton, D.J., M.J. Realff and J.C. Ammons; *Robust reverse production system design for carpet recycling*; August; 767

Park, B.C., R.D. Foley and S.T. Hackman; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279

Realff, M.J., J.C. Ammons and D.J. Newton; *Robust reverse production system design for carpet recycling*; August; 767

Tan, B.; *Subcontracting with availability guarantees: production control and capacity decisions*; August; 711
Traband, M.T., D.J. Medeiros and M.J. Chandra; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777

Wang, W.-F. and C.-X. Feng; *Data mining techniques applied to predictive modeling of the knurling process*; March; 253

SUBJECT INDEX FOR 2004

1010 – Computer-aided design
Chen, C.-Y., L.-C. Chen and L. Lin; *Methods for processing and prioritizing customer demands in variant product design*; March; 203

1030 – Design methodology
Chen, C.-Y., L.-C. Chen and L. Lin; *Methods for processing and prioritizing customer demands in variant product design*; March; 203

1050 – Design representation
Chen, C.-Y., L.-C. Chen and L. Lin; *Methods for processing and prioritizing customer demands in variant product design*; March; 203
Huang, W., Z. Kong, D. Ceglarek and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

1150 – Numerically controlled machines
Huang, W., Z. Kong, D. Ceglarek and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

1270 – Process modeling
Feng, C.-X. and W.-F. Wang; *Data mining techniques applied to predictive modeling of the knurling process*; March; 253
Traband, M.T., D.J. Medeiros and M.J. Chandra; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777

1330 – Manufacturing systems analysis
de Véricourt, F. and S.B. Gershwin; *Performance evaluation of a make-to-stock production line with a two-parameter-per-machine policy: the control point policy*; March; 221
Li, J.; *Performance analysis of production systems with rework loops*; August; 755
Meng, G. and S.S. Heragu; *Batch size modeling in a multi-item, discrete manufacturing system via an open queuing network*; August; 743

1350 – Manufacturing systems control
Ferrer, G. and M.E. Ketzenberg; *Value of information in remanufacturing complex products*; March; 265

0740-817X © 2004 "IIE"

Tan, B.; *Subcontracting with availability guarantees: production control and capacity decisions*; August; 711

1360 – Manufacturing systems design
Realff, M.J., J.C. Ammons and D.J. Newton; *Robust reverse production system design for carpet recycling*; August; 767

1420 – Equipment: movement
Meller, R.D. and J.F. Klote; *A throughput model for carousel/VLM pods*; August; 725

1430 – Equipment: storage
Foley, R.D., S.T. Hackman and B.C. Park; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279

1440 – Facilities
Foley, R.D., S.T. Hackman and B.C. Park; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279

1450 – Material handling functions
Meller, R.D. and J.F. Klote; *A throughput model for carousel/VLM pods*; August; 725

1520 – Geometric reasoning
Huang, W., Z. Kong, D. Ceglarek and E. Brahmst; *The analysis of feature-based measurement error in coordinate metrology*; March; 237

1540 – Sculptured surface machining
Traband, M.T., D.J. Medeiros and M.J. Chandra; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777

2015 – Integer programming
Realff, M.J., J.C. Ammons and D.J. Newton; *Robust reverse production system design for carpet recycling*; August; 767

2050 – Linear programming
Realff, M.J., J.C. Ammons and D.J. Newton; *Robust reverse production system design for carpet recycling*; August; 767

2150 – Queueing systems
Foley, R.D., S.T. Hackman and B.C. Park; *Back-of-the-envelope miniload throughput bounds and approximations*; March; 279
Li, J.; *Performance analysis of production systems with rework loops*; August; 755
Meng, G. and S.S. Heragu; *Batch size modeling in a multi-item, discrete manufacturing system via an open queuing network*; August; 743

2160 – Regression analysis
Feng, C.-X. and W.-F. Wang; *Data mining techniques applied to predictive modeling of the knurling process*; March; 253

2170 – Stochastic control
Tan, B.; *Subcontracting with availability guarantees: production control and capacity decisions*; August; 711

3010 – Job release
de Vèricourt, F. and S.B. Gershwin; *Performance evaluation of a make-to-stock production line with a two-parameter-per-machine policy: the control point policy*; March; 221

3060 – Performance evaluation
de Vèricourt, F. and S.B. Gershwin; *Performance evaluation of a make-to-stock production line with a two-parameter-per-machine policy: the control point policy*; March; 221

3330 – Materials management
Meller, R.D. and J.F. Klote; *A throughput model for carousel/VLM pods*; August; 725

3410 – Capacity planning
Tan, B.; *Subcontracting with availability guarantees: production control and capacity decisions*; August; 711

3440 – Information management
Ferrer, G. and M.E. Ketzenberg; *Value of information in remanufacturing complex products*; March; 265

3460 – Lead time management
Ferrer, G. and M.E. Ketzenberg; *Value of information in remanufacturing complex products*; March; 265

4120 – Design of Experiments
Feng, C.-X. and W.-F. Wang; *Data mining techniques applied to predictive modeling of the knurling process*; March; 253

4240 – Sampling
Traband, M.T., D.J. Medeiros and M.J. Chandra; *A statistical approach to tolerance evaluation for circles and cylinders*; August; 777

GUEST REVIEWERS FOR 2004

Frederick H. Abernathy, Division of Engineering & Applied Sciences, Harvard University
Omar Al-Araidah, Rensselaer Polytechnic Institute
John J. Bartholdi, III, School of Industrial & Systems Engineering, Georgia Institute of Technology
Yavuz A. Bozer, Dept. of Industrial & Operations Engineering, The University of Michigan
John Buzacott, Shulich School of Business, York University, Toronto, Canada
Michael Caramanis, Manufacturing Engineering, Boston University
Ignacio Castello, University of Alberta, Canada
Alain Delchambre, Free University of Brussels
Abhijit Deshmukh, Mechanical & Industrial Engineering, University of Massachusetts-Amherst
Joseph P. Domblesky, Dept. of Mechanical & Industrial Engineering, Marquette University
Richard Fung, Dept. of Manufacturing Engineering & Engineering Management, City University of Hong Kong
Tharma Ganesharajah, Mississauga, Ontario, Canada
Stanley Gershwin, Dept. of Mechanical Engineering, Massachusetts Institute of Technology
Ian Gibson, Hong Kong University
Stephen C. Graves, Sloan School of Management, Massachusetts Institute of Technology
Peter Groumpos, University of Patras, Greece
Kevin R. Gue, Graduate School of Business & Public Policy, Naval Postgraduate School, Monterey, CA
Angappa Gunasekaran, College of Business & Management, University of Illinois – Springfield
Robert C. Hocken, Mechanical Engineering, University of North Carolina – Charlotte
Roger Jiao, Division of Systems & Engineering Management, Nanyang Technological University, Singapore

Eric Johnson, Tuck School of Business, Dartmouth College
Ajay Joneja, Dept. of Industrial Engineering & Engineering Management, Hong Kong University of Science & Technology
Chua Chee Kai, Nanyang Technological University, Singapore
Bo Hyun Kim, Intelligent Manufacturing System Team, Korea Institute of Industrial Technology (KITECH), South Korea
Byung-In Kim, Director, Research & Development, Institute of Information Technology, The Woodlands, Texas (formerly with the State University of Memphis)
David S. Kim, Industrial & Manufacturing Engineering, Oregon State University
Russell King, Industrial Engineering, North Carolina State University
Sridhar Kota, Mechanical Engineering Dept., University of Michigan
P.R. Kumar, Dept. of Electrical & Computer Engineering, University of Illinois – Urbana-Champaign
Thomas R. Kurfess, Woodruff School of Mechanical Engineering, Georgia Institute of Technology
Gilbert Laporte, Centre de Recherche sure les Transports, Ecole des Haute Etudes Commerciales, Universite de Montreal, Canada
H. Felix Lee, Southern Illinois University at Edwardsville
Stephen Lee, Nanyang Technological University, Singapore
Janny Leung, Systems Engineering & Engineering Management, Chinese University of Hong Kong
Russell Meller, Grado Dept. of Industrial & Systems Engineering, Virginia Polytechnic Institute & State University
James Noble, Dept. of Industrial & Manufacturing Systems Engineering, University of Missouri – Columbia
S.K. Ong, Dept. of Mechanical Engineering, National University of Singapore
Niyazi Onur Bakir, Industrial Engineering, Texas A&M University
Yiming (Kevin) Rong, Mechanical Engineering Department, Worcester Polytechnic Institute
Eric Salisbury, Varatech Engineering Consultants, Holland, MI
Bhaba Sarker, Industrial & Manufacturing Engineering, Louisiana State University
Dr. Hugh Shercliff, Dept. of Engineering, University of Cambridge, United Kingdom
David Sinreich, William Davidson Faculty of Industrial Engineering & Management, Technion – Israel Institute of Technology, Israel
V. Sridharan, Dept. of Management, Clemson University
R. Srikant, Dept. of Electrical & Computer Engineering, University of Illinois – Urbana-Champaign
J. Stefanou, National Technical University of Athens, Greece
Baris Tan, Graduate School of Business, Koç University, Turkey
Kai Tang, Dept. of Mechanical Engineering, Hong Kong University of Science & Technology
Horst Tempelmeier, Dept. of Production and Operations Management, University of Cologne, Germany
Hans P. Wiendahl, University of Hanover, Germany
Chuck Zhang, Industrial Engineering, Florida State University

SCHEDULING & LOGISTICS

AUTHOR INDEX FOR 2004

Aras, N., T. Boyaci and V. Verter; *The effect of categorizing returned products in remanufacturing*; April; 319
Arreola-Risa, A., B.H. Faaland and T.G. Schmitt; *Economic lot scheduling with lost sales and setup times*; July; 629

Balakrishnan, J.; *Technical note: An improved algorithm for solving a multi-period facility location problem*; January; 19
Bard, J.F.; *Staff scheduling in high volume service facilities with downgrading*; October; 985
Blumenfeld, D.E., W.C. Jordan and R.R. Inman; *Chained cross-training of workers for robust performance*; October; 953
Bokhorst, J.A.C., J. Slomp and E. Molleman; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969
Bollapragada, R., U.S. Rao and J. Zhang; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Boyaci, T., N. Aras and V. Verter; *The effect of categorizing returned products in remanufacturing*; April; 319
Bukchin, J. and S.C. Sarin; *A cyclic policy for the loading of multiple products on a vehicle with different compartment sizes*; July; 641

Caglar, D., C.-L. Li and D. Simchi-Levi; *Two-echelon spare parts inventory system subject to a service constraint*; July; 655
Cai, X., G. Zhang and C.K. Wong; *Some results on resource constrained scheduling*; January; 1
Çakanyildirim, M., F. Zhang, R. Roundy and W.T. Huh; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23
Chakhlevich, K.N., T.C.E. Cheng and M.Y. Kovalyov; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87
Charnsirisakskul, K., P.M. Griffin and P. Keskinocak; *Order selection and scheduling with leadtime flexibility*; July; 697
Cheng, T.C.E. and Z. Liu; *Parallel machine scheduling to minimize the sum of quadratic completion times*; January; 11
Cheng, T.C.E., M.Y. Kovalyov and K.N. Chakhlevich; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87

Das, T.K., K.K. Ravulapati and J. Rao; *A reinforcement learning approach to stochastic business games*; April; 373
Degraeve, Z. and R. Jans; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47
Duenyas, I., U. Kula and S.M.R. Iravani; *Estimating job waiting times in production systems with cross-trained setup crews*; October; 999

Faaland, B.H., T.G. Schmitt and A. Arreola-Risa; *Economic lot scheduling with lost sales and setup times*; July; 629
Francis, R.L., T.J. Lowe and A. Tamir; *Demand point aggregation analysis for a class of constrained location models: a penalty function approach*; July; 601

Gerchak, Y., S. Ray and E.M. Jewkes; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333
Griffin, P.M., K. Charnsirisakskul and P. Keskinocak; *Order selection and scheduling with leadtime flexibility*; July; 697

Hall, R.W.; *Domicile selection and risk pooling for trucking networks*; April; 299
Herroelen, W. and R. Leus; *Stability and resource allocation in project planning*; July; 667
Hill, A.V. and W.J. Sawaya III; *Production planning for medical devices with an uncertain regulatory approval date*; April; 307
Hopp, W.J., S. Iravani and M.P. Van Oyen; *Introduction to special issue on workforce agility*; October; 915
Hopp, W.J. and M.P. Van Oyen; *Agile workforce evaluation: a framework for cross-training and coordination*; October; 919
Huh, W.T., F. Zhang, R. Roundy and M. Çakanyildirim; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23

Inman, R.R., W.C. Jordan and D.E. Blumenfeld; *Chained cross-training of workers for robust performance*; October; 953
Iravani, S., W.J. Hopp and M.P. Van Oyen; *Introduction to special issue on workforce agility*; October; 915
Iravani, S.M.R., U. Kula and I. Duenyas; *Estimating job waiting times in production systems with cross-trained setup crews*; October; 999

Jans, R. and Z. Degraeve; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47
Jewkes, E.M., S. Ray and Y. Gerchak; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333
Jordan, W.C., R.R. Inman and D.E. Blumenfeld; *Chained cross-training of workers for robust performance*; October; 953

Karabati, S. and B. Tan; *Can the desired service level be achieved when the demand and lost sales are unobserved?*; April; 345
Keskinocak, P., K. Charnsirisakskul and P.M. Griffin; *Order selection and scheduling with leadtime flexibility*; July; 697
Khmelnitsky, E. and M. Tzur; *Parallelism of continuous- and discrete-time production planning problems*; July; 611
Kovalyov, M.Y., T.C.E. Cheng and K.N. Chakhlevich; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87
Kula, U., I. Duenyas and S.M.R. Iravani; *Estimating job waiting times in production systems with cross-trained setup crews*; October; 999

Laporte, G., J.J. Salazar-González and F. Semet; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Leus, R. and W. Herroelen; *Stability and resource allocation in project planning*; July; 667
Li, C.-L., D. Caglar and D. Simchi-Levi; *Two-echelon spare parts inventory system subject to a service constraint*; July; 655
Li, C.-L. and G.L. Vairaktarakis; *Loading and unloading operations in container terminals*; April; 287
Liu, Z. and T.C.E. Cheng; *Parallel machine scheduling to minimize the sum of quadratic completion times*; January; 11
Logendran, R. and F. Subur; *Unrelated parallel machine scheduling with job splitting*; April; 359
Lowe, T.J., R.L. Francis and A. Tamir; *Demand point aggregation analysis for a class of constrained location models: a penalty function approach*; July; 601

Misra, S., E.J. Pinker and R.A. Shumsky; *Salesforce design with experience-based learning*; October; 941
Molleman, E., J.A.C. Bokhorst and J. Slomp; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969
Munshi, F.N. and A. Muriel; *Capacitated multicommodity network flow problems with piecewise linear concave costs*; July; 683
Muriel, A. and F.N. Munshi; *Capacitated multicommodity network flow problems with piecewise linear concave costs*; July; 683

Pinker, E.J., S. Misra and R.A. Shumsky; *Salesforce design with experience-based learning*; October; 941

Rao, J., K.K. Ravulapati and T.K. Das; *A reinforcement learning approach to stochastic business games*; April; 373
Rao, U.S., J.M. Swaminathan and J. Zhang; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59
Rao, U.S., R. Bollapragada and J. Zhang; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Ravulapati, K.K., J. Rao and T.K. Das; *A reinforcement learning approach to stochastic business games*; April; 373
Ray, S., Y. Gerchak and E.M. Jewkes; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333
Roundy, R., F. Zhang, M. Çakanyildirim and W.T. Huh; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23

Salazar-González, J.J., G. Laporte and F. Semet; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Sarin, S.C. and J. Bukchin; *A cyclic policy for the loading of multiple products on a vehicle with different compartment sizes*; July; 641
Sawaya III, W.J. and A.V. Hill; *Production planning for medical devices with an uncertain regulatory approval date*; April; 307
Sawhney, R. and N. Sumukadas; *Workforce agility through employee involvement*; October; 1011
Schmitt, T.G., B.H. Faaland and A. Arreola-Risa; *Economic lot scheduling with lost sales and setup times*; July; 629
Semet, F., G. Laporte and J.J. Salazar-González; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Shumsky, R.A., S. Misra and E.J. Pinker; *Salesforce design with experience-based learning*; October; 941
Simchi-Levi, D., D. Caglar and C.-L. Li; *Two-echelon spare parts inventory system subject to a service constraint*; July; 655
Slomp, J., J.A.C. Bokhorst and E. Molleman; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969
Subur, F. and R. Logendran; *Unrelated parallel machine scheduling with job splitting*; April; 359
Sumukadas, N. and R. Sawhney; *Workforce agility through employee involvement*; October; 1011
Swaminathan, J.M., U.S. Rao and J. Zhang; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59
Tamir, A., R.L. Francis and T.J. Lowe; *Demand point aggregation analysis for a class of constrained location models: a penalty function approach*; July; 601
Tan, B. and S. Karabati; *Can the desired service level be achieved when the demand and lost sales are unobserved?*; April; 345
Tzur, M. and E. Khmelnitsky; *Parallelism of continuous- and discrete-time production planning problems*; July; 611
Vairaktarakis, G.L., and C.-L. Li; *Loading and unloading operations in container terminals*; April; 287
Van Oyen, M.P. and W.J. Hopp; *Agile workforce evaluation: a framework for cross-training and coordination*; October; 919
Van Oyen, M.P., W.J. Hopp and S. Iravani; *Introduction to special issue on workforce agility*; October; 915
Verter, V., N. Aras and T. Boyaci; *The effect of categorizing returned products in remanufacturing*; April; 319
Wong, C.K., G. Zhang and X. Cai; *Some results on resource constrained scheduling*; January; 1
Zhang, J., R. Bollapragada and U.S. Rao; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Zhang, G., X. Cai and C.K. Wong; *Some results on resource constrained scheduling*; January; 1
Zhang, J., U.S. Rao and J.M. Swaminathan; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59
Zhang, F., R. Roundy, M. Çakanyildirim and W.T. Huh; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23

SUBJECT INDEX FOR 2004

430 – Process industries
Jans, R. and Z. Degraeve; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47

440 – Transportation
Bukchin, J. and S.C. Sarin; *A cyclic policy for the loading of multiple products on a vehicle with different compartment sizes*; July; 641
Hall, R.W.; *Domicile selection and risk pooling for trucking networks*; April; 299
Li, C.-L. and G.L. Vairaktarakis; *Loading and unloading operations in container terminals*; April; 287

450 – Other industry
Hill, A.V. and W.J. Sawaya III; *Production planning for medical devices with an uncertain regulatory approval date*; April; 307
Ray, S., Y. Gerchak and E.M. Jewkes; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333

500 – Manufacturing
Bokhorst, J.A.C., J. Slomp and E. Molleman; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969
Cheng, T.C.E., M.Y. Kovalyov and K.N. Chakhlevich; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87
Cheng, T.C.E. and Z. Liu; *Parallel machine scheduling to minimize the sum of quadratic completion times*; January; 11
Faaland, B.H., T.G. Schmitt and A. Arreola-Risa; *Economic lot scheduling with lost sales and setup times*; July; 629
Hopp, W.J., S. Iravani and M.P. Van Oyen; *Introduction to special issue on workforce agility*; October; 915
Hopp, W.J. and M.P. Van Oyen; *Agile workforce evaluation: a framework for cross-training and coordination*; October; 919
Jans, R. and Z. Degraeve; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47
Khmelnitsky, E. and M. Tzur; *Parallelism of continuous- and discrete-time production planning problems*; July; 611
Kula, U., I. Duenyas and S.M.R. Iravani; *Estimating job waiting times in production systems with cross-trained setup crews*; October; 999
Laporte, G., J.J. Salazar-González and F. Semet; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Logendran, R. and F. Subur; *Unrelated parallel machine scheduling with job splitting*; April; 359
Rao, U.S., J.M. Swaminathan and J. Zhang; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59
Sumukadas, N. and R. Sawhney; *Workforce agility through employee involvement*; October; 1011

Zhang, F., R. Roundy, M Çakanyildirim and W.T. Huh; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23
Zhang, G., X. Cai and C.K. Wong; *Some results on resource constrained scheduling*; January; 1

1420 – Equipment: movement
Li, C.-L. and G.L. Vairaktarakis; *Loading and unloading operations in container terminals*; April; 287

2015 – Integer programming
Bard, J.F.; *Staff scheduling in high volume service facilities with downgrading*; October; 985

2025 – Game theory
Ravulapati, K.K., J. Rao and T.K. Das; *A reinforcement learning approach to stochastic business games*; April; 373

2030 – Network flow programming and graphs
Muriel, A. and F.N. Munshi; *Capacitated multicommodity network flow problems with piecewise linear concave costs*; July; 683

2060 – Multicriteria decision making
Bokhorst, J.A.C., J. Slomp and E. Molleman; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969

2120 – Data analysis
Sumukadas, N. and R. Sawhney; *Workforce agility through employee involvement*; October; 1011

2150 – Queueing systems
Jordan, W.C., R.R. Inman and D.E. Blumenfeld; *Chained cross-training of workers for robust performance*; October; 953
Kula, U., I. Duenyas and S.M.R. Iravani; *Estimating job waiting times in production systems with cross-trained setup crews*; October; 999
Misra, S., E.J. Pinker and R.A. Shumsky; *Salesforce design with experience-based learning*; October; 941

2470 – Life-cycle models
Hill, A.V. and W.J. Sawaya III; *Production planning for medical devices with an uncertain regulatory approval date*; April; 307

3010 – Control policy
Aras, N., T. Boyaci and V. Verter; *The effect of categorizing returned products in remanufacturing*; April; 319
Bollapragada, R., U.S. Rao and J. Zhang; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Caglar, D., C.-L. Li and D. Simchi-Levi; *Two-echelon spare parts inventory system subject to a service constraint*; July; 655
Rao, U.S., J.M. Swaminathan and J. Zhang; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59

3020 – Coordination
Ravulapati, K.K., J. Rao and T.K. Das; *A reinforcement learning approach to stochastic business games*; April; 373
Ray, S., Y. Gerchak and E.M. Jewkes; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333

3030 – Information control mechanism
Tan, B. and S. Karabati; *Can the desired service level be achieved when the demand and lost sales are unobserved?*; April; 345

3050 – Multi-stage systems
Bollapragada, R., U.S. Rao and J. Zhang; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Caglar, D., C.-L. Li and D. Simchi-Levi; *Two-echelon spare parts inventory system subject to a service constraint*; July; 655
Ravulapati, K.K., J. Rao and T.K. Das; *A reinforcement learning approach to stochastic busines: games*; April; 373

3080 – Service performance
Bollapragada, R., U.S. Rao and J. Zhang; *Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements*; January; 73
Tan, B. and S. Karabati; *Can the desired service level be achieved when the demand and lost sales are unobserved?*; April; 345

3160 – Workforce planning
Bokhorst, J.A.C., J. Slomp and E. Molleman; *Development and evaluation of cross-training policies for manufacturing teams*; October; 969
Hall, R.W.; *Domicile selection and risk pooling for trucking networks*; April; 299
Hopp, W.J., S. Iravani and M.P. Van Oyen; *Introduction to special issue on workforce agility*; October; 915
Hopp, W.J. and M.P. Van Oyen; *Agile workforce evaluation: a framework for cross-training and coordination*; October; 919
Jordan, W.C., R.R. Inman and D.E. Blumenfeld; *Chained cross-training of workers for robust performance*; October; 953
Misra, S., E.J. Pinker and R.A. Shumsky; *Salesforce design with experience-based learning*; October; 941
Sumukadas, N. and R. Sawhney; *Workforce agility through employee involvement*; October; 1011

3170 – Integrated production/distribution
Muriel, A. and F.N. Munshi; *Capacitated multicommodity network flow problems with piecewise linear concave costs*; July; 683

3210 – Distribution planning
Balakrishnan, J.; *Technical note: An improved algorithm for solving a multi-period facility location problem*; January; 19
Francis, R.L., T.J. Lowe and A. Tamir; *Demand point aggregation analysis for a class of constrained location models: a penalty function approach*; July; 601

3215 – Facility location
Balakrishnan, J.; *Technical note: An improved algorithm for solving a multi-period facility location problem*; January; 19
Francis, R.L., T.J. Lowe and A. Tamir; *Demand point aggregation analysis for a class of constrained location models: a penalty function approach*; July; 601

3240 – Network design
Balakrishnan, J.; *Technical note: An improved algorithm for solving a multi-period facility location problem*; January; 19
Muriel, A. and F.N. Munshi; *Capacitated multicommodity network flow problems with piecewise linear concave costs*; July; 683

3255 – Transportation
Bukchin, J. and S.C. Sarin; *A cyclic policy for the loading of multiple products on a vehicle with different compartment sizes*; July; 641

3340 – Operation sequencing
Cheng, T.C.E., M.Y. Kovalyov and K.N. Chakhlevich; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87
Laporte, G., J.J. Salazar-González and F. Semet; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Li, C.-L. and G.L. Vairaktarakis; *Loading and unloading operations in container terminals*; April; 287

3400 – Production planning
Faaland, B.H., T.G. Schmitt and A. Arreola-Risa; *Economic lot scheduling with lost sales and setup times*; July; 629

3410 – Capacity planning
Zhang, F., R. Roundy, M. Çakanyildirim and W.T. Huh; *Optimal capacity expansion for multi-product, multi-machine manufacturing systems with stochastic demand*; January; 23

3450 – Inventory management
Rao, U.S., J.M. Swaminathan and J. Zhang; *Multi-product inventory planning with downward substitution, stochastic demand and setup costs*; January; 59

3460 – Lead time management
Charnsirisakskul, K., P.M. Griffin and P. Keskinocak; *Order selection and scheduling with leadtime flexibility*; July; 697
Hill, A.V. and W.J. Sawaya III; *Production planning for medical devices with an uncertain regulatory approval date*; April; 307

3470 – Lot sizing
Bukchin, J. and S.C. Sarin; *A cyclic policy for the loading of multiple products on a vehicle with different compartment sizes*; July; 641
Faaland, B.H., T.G. Schmitt and A. Arreola-Risa; *Economic lot scheduling with lost sales and setup times*; July; 629
Jans, R. and Z. Degraeve; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47
Khmelnitsky, E. and M. Tzur; *Parallelism of continuous- and discrete-time production planning problems*; July; 611

3510 – Due date quotation
Charnsirisakskul, K., P.M. Griffin and P. Keskinocak; *Order selection and scheduling with leadtime flexibility*; July; 697

3530 – Production scheduling
Cheng, T.C.E., M.Y. Kovalyov and K.N. Chakhlevich; *Batching in a two-stage flowshop with dedicated machines in the second stage*; January; 87
Cheng, T.C.E. and Z. Liu; *Parallel machine scheduling to minimize the sum of quadratic completion times*; January; 11
Laporte, G., J.J. Salazar-González and F. Semet; *Exact algorithms for the job sequencing and tool switching problem*; January; 37
Logendran, R. and F. Subur; *Unrelated parallel machine scheduling with job splitting*; April; 359
Zhang, G., X. Cai and C.K. Wong; *Some results on resource constrained scheduling*; January; 1

3540 – Project scheduling
Leus, R. and W. Herroelen; *Stability and resource allocation in project planning*; July; 667

3570 – Scheduling system implementation
Jans, R. and Z. Degraeve; *An industrial extension of the discrete lot-sizing and scheduling problem*; January; 47

3580 – Stochastic scheduling
Aras, N., T. Boyaci and V. Verter; *The effect of categorizing returned products in remanufacturing*; April; 319
Leus, R. and W. Herroelen; *Stability and resource allocation in project planning*; July; 667
Ray, S., Y. Gerchak and E.M. Jewkes; *The effectiveness of investment in lead time reduction for a make-to-stock product*; April; 333

3590 – Work release and loading
Charnsirisakskul, K., P.M. Griffin and P. Keskinocak; *Order selection and scheduling with leadtime flexibility*; July; 697
Logendran, R. and F. Subur; *Unrelated parallel machine scheduling with job splitting*; April; 359

3595 – Workforce scheduling
Bard, J.F.; *Staff scheduling in high volume service facilities with downgrading*; October; 985

3600 – Service operations
Bard, J.F.; *Staff scheduling in high volume service facilities with downgrading*; October; 985
Hopp, W.J., S. Iravani and M.P. Van Oyen; *Introduction to special issue on workforce agility*; October; 915
Hopp, W.J. and M.P. Van Oyen; *Agile workforce evaluation: a framework for cross-training and coordination*; October; 919
Misra, S., E.J. Pinker and R.A. Shumsky; *Salesforce design with experience-based learning*; October; 941

4460 – Maintenance
Jordan, W.C., R.R. Inman and D.E. Blumenfeld; *Chained cross-training of workers for robust performance*; October; 953

GUEST REVIEWERS FOR 2004

Dan Adelman, University of Chicago
Alessandro Agnetis, Universita di Siena, Italy
Hyun-soo Ahn, University of Michigan
Selim Akturk, Bilkent University, Turkey
Ali Allahverdi, Kuwait University
Shoshan Anily, Tel Aviv University
Christian Artigues, Université d'Avignon et des Pays de Vaucluse, France
Ardavan Asef-Vaziri, California State University at Northridge
Derek Atkins, University of British Columbia, Canada
Jonathan Bard, University of Texas at Austin
Irad Bengal, Tel Aviv University, Israel
Oded Berman, University of Toronto, Canada
Fernando Bernstein, Duke University
Jean-Charles Billaut, University of Tours, France
Ebru Bish, Virginia Polytechnic Institute and State University
Larry Bodin, University of Maryland
Ahmet Bolat, King Saud University, Saudi Arabia
Denis Borenstein, Universidade Federal do Rio Grande do Sul, Brazil
Joseph Bukchin, Tel-Aviv University, Israel
Kerem Bulbul, Sabanci University, Turkey
Metin Cakanyildirim, University of Texas at Dallas
Cenk Çalkan, University of Delaware
Sila Cetinkaya, Texas A&M University
Ann Chan, Virginia Polytechnic Institute and State University
Zhi-Long Chen, University of Maryland
Raymond Cheung, Hong Kong University of Science and Technology
David Coit, Rutgers University
William Cooper, University of Minnesota
Keely Croxton, Ohio State University
Maqbool Dada, Purdue University
Tapas Das, University of South Florida
Milind Dawande, University of Texas at Dallas
Brian Denton, IBM
Maged Dessouky, University of Southern California
Zvi Drezner, California State University at Fullerton
Moshe Dror, University of Arizona

Alan Erera, Georgia Institute of Technology
Amit Eynan, University of Richmond
John Fowler, University of Arizona
Neil Geismar, University of Texas at Dallas
Monica Gentili, University of Rome, Italy
Jay Ghosh, University of Southern California
Marc Goetschalckx, Georgia Institute of Technology
Jeffrey Goldberg, University of Arizona
Teofilo Gonzalez, University of California at Santa Barbara
Valery Gordon, National Academy of Sciences of Belarus
Paul Griffin, Georgia Institute of Technology
Andrea Grosso, Politecnico di Torino, Italy
Shanhong Gu, J.P. Morgan Chase
Refik Gullu, Middle East Technical University, Turkey
Diwakar Gupta, University of Minnesota
Randolph Hall, University of Southern California
Horst Hamacher, University of Kaiserslautern, Germany
Joseph Hartman, Lehigh University
Elfaki Hassini, McMaster University, Canada
Qi-Ming He, Dalhousie University, Canada
Willy Herroelen, Katholieke Universiteit Leuven, Belgium
Julie Higle, University of Arizona
Simin Huang, University of Toronto, Canada
Wilfred Huang, Alfred University
Armann Ingorsloff, University of Alberta, Canada
Igor Iverbach, University of Toronto, Canada
Hermann Jahnke, University of Bielefeld, Germany
Marianne Jahre, Norwegian School of Management, Norway
C.F. Jia, Nankai University, Tianjin, China
Jeff Joines, North Carolina State University
Phil Kaminsky, University of California at Berkeley
Fikri Karaesmen, Koc University, Turkey
Mustafa Karakul, York University, Canada
Alf Kimms, University of Keil, Germany
Robert Klein, TU Darmstadt, Germany
Mikhail Kovalyov, Belarus State University, Belarus
Dmitry Krass, University of Toronto, Canada
Georg Krieg, Catholic University of Eichstaett-Ingolstadt, Germany
Alexander Lazarev, Kazan State University, Russia
Chi-Guhn Lee, University of Toronto, Canada
Chung-Yee Lee, Hong Kong University of Science and Technology
Lei Lei, Rutgers University
Mingming Leng, McMaster University, Canada
Joseph Y. Leung, New Jersey Institute of Technology
Chung-Lun Li, Hong Kong Polytechnic University
Bertrand Lin, National Chi Nan University, Taiwan
Kyle Lin, Virginia Polytechnic Institute and State University
Wei Lin, University of Arizona
Shuguang Liu, State University of New York at New Paltz
Xingchu Liu, Texas A&M University
Lisa Maillart, Case Western Reserve University
Vladimir Marinov, University of Santiago, Chile
Scott Mason, University of Arkansas
Kamlesh Mathur, Case Western Reserve University
Russell Meller, Virginia Polytechnic Institute and State University
Ana Muriel, University of Massachusetts at Amherst
Mahesh Nagarajan, University of British Columbia, Canada
Rakesh Nagi, State University of New York at Buffalo
Serguei Netessine, University of Pennsylvania
Alexandra Newman, Colorado School of Mines
Daniel Ng, Hong Kong Polytechnic University
Ceyda Oguz, Koc University, Turkey
Leyla Ozsen, Purdue University
Andrea Pacifici, Universita di Roma, Italy
Udatta Palekar, University of Illinois
Mahmut Parlar, McMaster University, Canada
Nick Petruzzi, University of Illinois
Warren Powell, Princeton University
Charles ReVelle, Johns Hopkins University
Larry Robinson, Cornell University
Peter Rogerson, State University of New York at Buffalo
Dolores Romero-Morales, Oxford University, United Kingdom
Nils Rudi, University of Rochester
Christopher Rump, Bowling Green State University
Rob Shumsky, University of Rochester
Peter Schuur, University of Twente, Netherlands
Christoph Schwindt, University of Karlsruhe, Germany
Alper Sen, Bilkent University, Turkey
Daniel Serra, University of Pompeu Fabra, Spain
Zuo-Jun Max Shen, University of California at Berkeley
David Simchi-Levi, Massachusetts Institute of Technology
Leyuan Shi, University of Wisconsin
Marco Slikker, Technische Universiteit Eindhoven, Netherlands
Larry Snyder, Lehigh University
Maarten Soomer, Free University of Amsterdam, Netherlands
Greys Sosic, University of Southern California
Charles Sox, University of Alabama
Kathryn Stecke, University of Texas at Dallas
Frederik Stork, ILOG Deutschland GmbH, Germany
Christine Strauss, University of Vienna, Austria
Vitaly Strusevich, University of Greenwich, United Kingdom
Daning Sun, Lingnan University, Hong Kong
Julie Swann, Georgia Institute of Technology
Kwei Tang, Purdue University
Terry Taylor, Columbia University
Eylem Tekin, University of North Carolina at Chapel Hill
Brian Tomlin, University of North Carolina at Chapel-Hill
Panagiotis Tsiakis, Imperial College, United Kingdom
Halit Ulster, Texas A&M University
Reha Uzsoy, Purdue University
George Vairaktarakis, Case Western Reserve University
Asoo Vakharia, University of Florida
Marjan van den Akker, University of Utrecht, Netherlands
Matthieu van der Heijden, University Twente, Netherlands
Rik Van Landeghem, Ghent University, Belgium
Albert Wagelmans, Erasmus University, Netherlands
Qian Wang, University of Toronto, Canada
Amy Ward, Georgia Institute of Technology
Scott Webster, University of Syracuse
Marc Wouters, University of Twente, Netherlands
Xuan Zhao, University of British Columbia, Canada
Umit Yuceer, Eastern Mediterranean University, Turkey
Rachel Zhang, Hong Kong University of Science and Technology
Konstantinos Zografos, Athens University of Economics and Business, Greece

OPERATIONS ENGINEERING

AUTHOR INDEX FOR 2004

Adenso-Díaz, B., B. Lev and R. Artime; *Simulation in dynamic environments: optimization of transportation inside a coal mine*; June; 547
Altman, A. and M. Tzur; *Minimization of tool switches for a flexible manufacturing machine with slot assignment of different tool sizes*; February; 95
Artime, R., B. Adenso-Díaz and B. Lev; *Simulation in dynamic environments: optimization of transportation inside a coal mine*; June; 547

Benjaafar, S. and D. Gupta; *Make-to-order, make-to-stock, or delay product differentiation? A common framework for modeling and analysis*; June; 529
Boucher, T.O. and A. Yalcin; *A continuous-time algorithm for disaggregation of hierarchical production plans*; November; 1023
Brusco, M.J.; *Optimal solution methods for the minimum-backtracking row layout problem*; February; 181
Bukchin, J. and M. Masin; *Multi-objective lot splitting for a single product m-machine flowshop line*; February; 191
Burke, E., Y. Bykov, J. Newall and S. Petrovic; *A time-predefined local search approach to exam timetabling problems*; June; 509
Bykov, Y., E. Burke, J. Newall and S. Petrovic; *A time-predefined local search approach to exam timetabling problems*; June; 509

Cabrera, J., K.-L. Tsui and R.S. Goonetilleke; *A scale model for fitting object shapes from fixed location data*; November; 1099
Chen, H. and M. Frank; *Monopoly pricing when customers queue*; June; 569

Das, T.K., A. Gosavi and S. Sarkar; *A simulation-based learning automata framework for solving semi-Markov decision problems under long-run average reward*; June; 557
Denton, B. and D. Gupta; *Strategic inventory deployment in the steel industry*; November; 1083
Deshmukh, A.V. and N. Krothapalli; *Dynamic allocation of communicating tasks in computational grids*; November; 1037

Eben-Chaime, M.; *The effect of discreteness in vendor-buyer relationships*; June; 583

Fathi, Y., S.D. Morgan and J. Taheri; *Algorithms for the model configuration problem*; February; 169
Frank, M. and H. Chen; *Monopoly pricing when customers queue*; June; 569

Gilbert, S.M., Y. Xia, M.-H. Yang, B. Golany and G. Yu; *Real-time disruption management in a two-stage production and inventory system*; February; 111
Golany, B., Y. Xia, M.-H. Yang, S.M. Gilbert and G. Yu; *Real-time disruption management in a two-stage production and inventory system*; February; 111
González Velarde, J.L. and M. Laguna; *A Benders-based heuristic for the robust capacitated international sourcing problem*; November; 1125
Goonetilleke, R.S., J. Cabrera and K.-L. Tsui; *A scale model for fitting object shapes from fixed location data*; November; 1099
Gosavi, A., T.K. Das and S. Sarkar; *A simulation-based learning automata framework for solving semi-Markov decision problems under long-run average reward*; June; 557
Gupta, D. and S. Benjaafar; *Make-to-order, make-to-stock, or delay product differentiation? A common framework for modeling and analysis*; June; 529
Gupta, D. and B. Denton; *Strategic inventory deployment in the steel industry*; November; 1083

Hyden, P.D., J.R. Swisher, S.H. Jacobson and L.W. Schruben; *A survey of recent advances in discrete input parameter discrete-event simulation optimization*; June; 591

Jacobson, S.H., J.R. Swisher, P.D. Hyden and L.W. Schruben; *A survey of recent advances in discrete input parameter discrete-event simulation optimization*; June; 591

Ko, S.-S., R. Serfozo and A.I. Sivakumar; *Reducing cycle times in manufacturing and supply chains by input and service rate smoothing*; February; 145
Kouvelis, P., M.J. Rosenblatt and C.L. Munson; *A mathematical programming model for global plant location problems: analysis and insights*; February; 127
Krothapalli, N. and A.V. Deshmukh; *Dynamic allocation of communicating tasks in computational grids*; November; 1037
Kutanoglu, E. and S.D. Wu; *Improving scheduling robustness via preprocessing and dynamic adaptation*; November; 1107

Laguna, M. and J.L. González Velarde; *A Benders-based heuristic for the robust capacitated international sourcing problem*; November; 1125
Lev, B., B. Adenso-Díaz and R. Artime; *Simulation in dynamic environments: optimization of transportation inside a coal mine*; June; 547

Masin, M. and J. Bukchin; *Multi-objective lot splitting for a single product m-machine flowshop line*; February; 191
Montgomery, D.C., L.A. Schaefer and P.M. Wolfe; *A flow metamodel for delivery agents over a spatial area*; November; 1055
Morgan, S.D., Y. Fathi and J. Taheri; *Algorithms for the model configuration problem*; February; 169
Morton, D.P. and E. Popova; *A Bayesian stochastic programming approach to an employee scheduling problem*; February; 155
Munson, C.L., P. Kouvelis and M.J. Rosenblatt; *A mathematical programming model for global plant location problems: analysis and insights*; February; 127

Newall, J., E. Burke, Y. Bykov and S. Petrovic; *A time-predefined local search approach to exam timetabling problems*; June; 509

Petrovic, S., E. Burke, Y. Bykov and J. Newall; *A time-predefined local search approach to exam timetabling problems*; June; 509
Popova, E. and D.P. Morton; *A Bayesian stochastic programming approach to an employee scheduling problem*; February; 155

Regnier, E., G. Sharp and C. Tovey; *Replacement under ongoing technological progress*; June; 497
Rosenblatt, M.J., P. Kouvelis and C.L. Munson; *A mathematical programming model for global plant location problems: analysis and insights*; February; 127

Sabuncuoglu, I. and E. Tekin; *Simulation optimization: A comprehensive review on theory and applications*; November; 1067
Sarkar, S., A. Gosavi and T.K. Das; *A simulation-based learning automata framework for solving semi-Markov decision problems under long-run average reward*; June; 557

Schaefer, L.A., D.C. Montgomery and P.M. Wolfe; *A flow metamodel for delivery agents over a spatial area*; November; 1055
Schruben, L.W., J.R. Swisher, P.D. Hyden and S.H. Jacobson; *A survey of recent advances in discrete input parameter discrete-event simulation optimization*; June; 591
Serfozo, R., S.-S. Ko and A.I. Sivakumar; *Reducing cycle times in manufacturing and supply chains by input and service rate smoothing*; February; 145
Sharp, G., E. Regnier and C. Tovey; *Replacement under ongoing technological progress*; June; 497
Sivakumar, A.I., S.-S. Ko and R. Serfozo; *Reducing cycle times in manufacturing and supply chains by input and service rate smoothing*; February; 145
Swisher, J.R., P.D. Hyden, S.H. Jacobson and L.W. Schruben; *A survey of recent advances in discrete input parameter discrete-event simulation optimization*; June; 591

Taheri, J., S.D. Morgan and Y. Fathi; *Algorithms for the model configuration problem*; February; 169
Tekin, E. and I. Sabuncuoglu; *Simulation optimization: A comprehensive review on theory and applications*; November; 1067
Tovey, C., E. Regnier and G. Sharp; *Replacement under ongoing technological progress*; June; 497
Tsui, K.-L., J. Cabrera and R.S. Goonetilleke; *A scale model for fitting object shapes from fixed location data*; November; 1099
Tzur, M. and A. Altman; *Minimization of tool switches for a flexible manufacturing machine with slot assignment of different tool sizes*; February; 95

Wilson, J.R. and F. Zouaoui; *Accounting for input-model and input-parameter uncertainties in simulation*; November; 1135
Wolfe, P.M., L.A. Schaefer and D.C. Montgomery; *A flow metamodel for delivery agents over a spatial area*; November; 1055
Wu, S.D. and E. Kutanoglu; *Improving scheduling robustness via preprocessing and dynamic adaptation*; November; 1107

Xia, Y., M.-H. Yang, B. Golany, S.M. Gilbert and G. Yu; *Real-time disruption management in a two-stage production and inventory system*; February; 111

Yalcin, A. and T.O. Boucher; *A continuous-time algorithm for disaggregation of hierarchical production plans*; November; 1023
Yang, M.-H., Y. Xia, B. Golany, S.M. Gilbert and G. Yu; *Real-time disruption management in a two-stage production and inventory system*; February; 111
Yu, G., Y. Xia, M.-H. Yang, B. Golany and S.M. Gilbert; *Real-time disruption management in a two-stage production and inventory system*; February; 111

Zouaoui, F. and J.R. Wilson; *Accounting for input-model and input-parameter uncertainties in simulation*; November; 1135

SUBJECT INDEX FOR 2004

1370 – Manufacturing systems modeling
Tzur, M. and A. Altman; *Minimization of tool switches for a flexible manufacturing machine with slot assignment of different tool sizes*; February; 95

1520 – Geometric reasoning
Cabrera, J., K.-L. Tsui and R.S. Goonetilleke; *A scale model for fitting object shapes from fixed location data*; November; 1099

2010 – Combinatorial optimization
Morgan, S.D., Y. Fathi and J. Taheri; *Algorithms for the model configuration problem*; February; 169

2045 – Metaheuristics
Kutanoglu, E. and S.D. Wu; *Improving scheduling robustness via preprocessing and dynamic adaptation*; November; 1107
Morton, D.P. and E. Popova; *A Bayesian stochastic programming approach to an employee scheduling problem*; February; 155

2090 – Grid and distributed computing
Krothapalli, N. and A.V. Deshmukh; *Dynamic allocation of communicating tasks in computational grids*; November; 1037

2150 – Queueing systems
Chen, H. and M. Frank; *Monopoly pricing when customers queue*; June; 569

2310 – Input modeling
Swisher, J.R., P.D. Hyden, S.H. Jacobson and L.W. Schruben; *A survey of recent advances in discrete input parameter discrete-event simulation optimization*; June; 591
Zouaoui, F. and J.R. Wilson; *Accounting for input-model and input-parameter uncertainties in simulation*; November; 1135

2315 – Metamodeling
Schaefer, L.A., D.C. Montgomery and P.M. Wolfe; *A flow metamodel for delivery agents over a spatial area*; November; 1055

2325 – Optimization
Gosavi, A., T.K. Das and S. Sarkar; *A simulation-based learning automata framework for solving semi-Markov decision problems under long-run average reward*; June; 557
Tekin, E. and I. Sabuncuoglu; *Simulation optimization: A comprehensive review on theory and applications*; November; 1067

2470 – Life-cycle models
Regnier, E., G. Sharp and C. Tovey; *Replacement under ongoing technological progress*; June; 497

3010 – Control policy
Denton, B. and D. Gupta; *Strategic inventory deployment in the steel industry*; November; 1083

3020 – Coordination
Eben-Chaime, M.; *The effect of discreteness in vendor-buyer relationships*; June; 583

3050 – Multi-stage systems
Xia, Y., M.-H. Yang, B. Golany, S.M. Gilbert and G. Yu; *Real-time disruption management in a two-stage production and inventory system*; February; 111

3060 – Performance evaluation
Adenso-Diaz, B., B. Lev and R. Artime; *Simulation in dynamic environments: optimization of transportation inside a coal mine*; June; 547

3150 – Supply chain management
Ko, S.-S., R. Serfozo and A.I. Sivakumar; *Reducing cycle times in manufacturing and supply chains by input and service rate smoothing*; February; 145

3215 – Facility location
Kouvelis, P., M.J. Rosenblatt and C.L. Munson; *A mathematical programming model for global plant location problems: analysis and insights*; February; 127

3220 – Layout planning
Brusco, M.J.; *Optimal solution methods for the minimum-backtracking row layout problem*; February; 181

3410 – Capacity planning
González Velarde, J.L. and M. Laguna; *A Benders-based heuristic for the robust capacitated international sourcing problem*; November; 1125

3430 – Hierarchical production planning and control
Yalcin, A. and T.O. Boucher; *A continuous-time algorithm for disaggregation of hierarchical production plans*; November; 1023

3470 – Lot sizing
Bukchin, J. and M. Masin; *Multi-objective lot splitting for a single product m-machine flowshop line*; February; 191

3530 – Production scheduling
Gupta, D. and S. Benjaafar; *Make-to-order, make-to-stock, or delay product differentiation? A common framework for modeling and analysis*; June; 529

3595 – Workforce scheduling
Burke, E., Y. Bykov, J. Newall and S. Petrovic; *A time-predefined local search approach to exam timetabling problems*; June; 509

GUEST REVIEWERS FOR 2004

Dan Adelman, University of Chicago
Christos Alexopoulos, Georgia Institute of Technology
Claudia Antonini, Georgia Institute of Technology
Mor Armony, New York University
Apostolos Burnetas, Case Western Reserve University
Jia Chen, Chinese Academy of Sciences
David Coit, Rutgers University
Paul Feign, The Technion, Israel Institute of Technology
Gerd Finke, LEIBNIZ – IMAG
John Fontanesi, University of California at San Diego
Boaz Golany, The Technion, Israel Institute of Technology
Olivier Goldschmidt, MakeSystems
Genaro Gutierrez, University of Texas, Austin
Sheldon Jacobson, University of Illinois at Urbana-Champaign
V. Roshan Joseph, Georgia Institute of Technology
Keebom Kang, Naval Postgraduate School
Suleyman Karabuk, University of Oklahoma
Seong-Hee Kim, Georgia Institute of Technology
Lee Tian-Shyug Lee, Fu-Jen Catholic University
Sungjoo Lee, Georgia Institute of Technology
Jorge Leon, Texas A&M University
Ben Lev, The University of Michigan – Dearborn
Mark Lewis, University of Michigan
Liming Liu, Hong Kong University of Science and Technology
J.C. Lu, Georgia Institute of Technology
Michael Masin, The Pennsylvania State University
Sanjay Mehrotra, Northwestern University
Adam Mersereau, University of Chicago
Jan Van Mieghem, Northwestern University
Patrick Philipoom, University of South Carolina
Elmira Popova, University of Texas at Austin
Raymond Popovic, Georgia Institute of Technology
Xiangtong Qi, Hong Kong University of Science and Technology
Andrew Ross, Lehigh University
John Ruggiero, University of Dayton
Andrew Seila, University of Georgia
Perwez Shahabuddin, Columbia University
Leyuan Shi, University of Wisconsin at Madison
J. M. Smith, University of Massachusetts at Amherst
Karen Smilowitz, Northwestern University
James MacGregor Smith, University of Massachusetts
Wheyming Tina Song, National Tsing Hua University
Frits C.R. Spieksma, Katholieke Universiteit Leuven
Michael R. Taaffe, Virginia Polytechnic Institute
Kwok-Leung Tsui, Georgia Institute of Technology
Shouyang Wang, Tsukuba University, Japan
James R. Wilson, North Carolina State University
Yusen Xia, University of Texas, Austin
Xiaoguang Yang, Chinese Academy of Sciences
Mei Yu, International University of Economics and Business, China
Daniel Zeng, University of Arizona
Sean Zhou, North Carolina State University

QUALITY & RELIABILITY ENGINEERING

AUTHOR INDEX FOR 2004

Apley, D.W.; *A cautious minimum variance controller with ARIMA disturbances*; May; 417

Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481
Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401

Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Cheong, W.T. and L.C. Tang; *Cumulative conformance count chart with sequentially updated parameters*; September; 841
Coit, D.W., J.E. Ramirez-Marquez and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891
Cui, L., M. Xie and H.-T. Loh; *Inspection schemes for general systems*; September; 817

Dai, Y.S., M. Xie, K.L. Poh and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183
Das, T.K., R. Ganesan and V. Venkataraman; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787
Ding, Y. and J. Jin; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

Evans, J.L., J.F. Valenzuela and J.S. Smith; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171

Ganesan, R., T.K. Das and V. Venkataraman; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787

Huang, Q. and J. Shi; *Variation transmission analysis and diagnosis of multi-operational machining processes*; September; 807
Huwang, L., A.B. Yeh and Y.-F. Wu; *A likelihood-ratio-based EWMA control chart for monitoring variability of multivariate normal processes*; September; 865

Jane, C.-C. and Y.-W. Laih; *Algorithms to determine the threshold reliability of flow networks*; May; 469
Jiang, W.; *A joint monitoring scheme for automatically controlled processes*; December; 1201
Jin, J., Y. Chen and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

Kethley, R.B. and M.H. Peters; *Extending economic design of p charts to handle user specified constraints using a genetic algorithm*; September; 855
Kim, Y.T., C.H. Lee and D.H. Park; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193
Kim, Y., C. Park and J. Lee; *Economic design of a variable sampling rate EWMA chart*; May; 387
Kolarik, W.J., J.C. Woldstad, S. Lu and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457
Konak, A., J.E. Ramirez-Marquez and D.W. Coit; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

Laih, Y.-W. and C.-C. Jane; *Algorithms to determine the threshold reliability of flow networks*; May; 469
Lam, Y.C., Z. Wu, S. Zhang and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447
Lee, C.H., Y.T. Kim and D.H. Park; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193
Lee, J., C. Park and Y. Kim; *Economic design of a variable sampling rate EWMA chart*; May; 387
Leemis, L.M.; *Nonparametric estimation and variate generation for a non-homogeneous Poisson process from event count data*; December; 1155
Lin, D.K.J., K. Xu, L.-C. Tang and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433
Loh, H.-T., L. Cui and M. Xie; *Inspection schemes for general systems*; September; 817
Lu, H., W.J. Kolarik, J.C. Woldstad and S. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457
Lu, S., W.J. Kolarik, J.C. Woldstad and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457

Ng, S.H., Y.S. Dai, M. Xie and K.L. Poh; *A model for correlated failures in N-version programming*; December; 1183

Park, C., J. Lee and Y. Kim; *Economic design of a variable sampling rate EWMA chart*; May; 387
Park, D.H., C.H. Lee and Y.T. Kim; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193
Peng, C.-Y. and S.-T. Tseng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161
Peters, M.H. and R.B. Kethley; *Extending economic design of p charts to handle user specified constraints using a genetic algorithm*; September; 855
Poh, K.L., Y.S. Dai, M. Xie and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183

Ramirez-Marquez, J.E., D.W. Coit and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

Shamsuzzaman, M., Z. Wu, Y.C. Lam and S. Zhang; *Optimization design of control chart systems*; May; 447
Shi, J., Y. Chen and J. Jin; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Shi, J. and Q. Huang; *Variation transmission analysis and diagnosis of multi-operational machining processes*; September; 807
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881
Singer, G. and I. Ben-Gal; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401
Smith, J.S., J.F. Valenzuela and J.L. Evans; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171

Tang, L.C. and W.T. Cheong; *Cumulative conformance count chart with sequentially updated parameters*; September; 841
Tang, L.-C., K. Xu, D.K.J. Lin and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433

Tseng, S.-T. and C.-Y. Peng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161

Valenzuela, J.F., J.S. Smith and J.L. Evans; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171
Venkataraman, V., R. Ganesan and T.K. Das; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787

Woldstad, J.C., W.J. Kolarik, S. Lu and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457
Wu, Y.-F., A.B. Yeh and L. Huwang; *A likelihood-ratio-based EWMA control chart for monitoring variability of multivariate normal processes*; September; 865
Wu, Z., Y.C. Lam, S. Zhang and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447

Xie, M., L. Cui and H.-T. Loh; *Inspection schemes for general systems*; September; 817
Xie, M., Y.S. Dai, K.L. Poh and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183
Xie, M., K. Xu, D.K.J. Lin and L.-C. Tang; *Multiresponse systems optimization using a goal attainment approach*; May; 433
Xu, K., D.K.J. Lin, L.-C. Tang and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433

Yeh, A.B., L. Huwang and Y.-F. Wu; *A likelihood-ratio-based EWMA control chart for monitoring variability of multivariate normal processes*; September; 865

Zhang, S., Z. Wu, Y.C. Lam and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447

SUBJECT INDEX FOR 2004

120 – Health care
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881

400 – Auto industry
Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881

410 – Semiconductor industry
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881
Tang, L.C. and W.T. Cheong; *Cumulative conformance count chart with sequentially updated parameters*; September; 841
Tseng, S.-T. and C.-Y. Peng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161

420 – Pharmaceutical
Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881

430 – Process industries
Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481
Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401
Ganesan, R., T.K. Das and V. Venkataraman; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899
Park, C., J. Lee and Y. Kim; *Economic design of a variable sampling rate EWMA chart*; May; 387
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881
Tseng, S.-T. and C.-Y. Peng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161

440 – Transportation
Jane, C.-C. and Y.-W. Laih; *Algorithms to determine the threshold reliability of flow networks*; May; 469

450 – Other industry
Kolarik, W.J., J.C. Woldstad, S. Lu and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457
Lee, C.H., Y.T. Kim and D.H. Park; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193
Ramirez-Marquez, J.E., D.W. Coit and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

500 – Manufacturing
Apley, D.W.; *A cautious minimum variance controller with ARIMA disturbances*; May; 417
Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481
Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401
Cui, L., M. Xie and H.-T. Loh; *Inspection schemes for general systems*; September; 817
Huang, Q. and J. Shi; *Variation transmission analysis and diagnosis of multi-operational machining processes*; September; 807
Jiang, W.; *A joint monitoring scheme for automatically controlled processes*; December; 1201
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899
Kethley, R.B. and M.H. Peters; *Extending economic design of p charts to handle user specified constraints using a genetic algorithm*; September; 855
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881
Tang, L.C. and W.T. Cheong; *Cumulative conformance count chart with sequentially updated parameters*; September; 841
Valenzuela, J.F., J.S. Smith and J.L. Evans; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171
Wu, Z., Y.C. Lam, S. Zhang and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447
Xu, K., D.K.J. Lin, L.-C. Tang and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433

Yeh, A.B., L. Huwang and Y.-F. Wu; *A likelihood-ratio-based EWMA control chart for monitoring variability of multivariate normal processes*; September; 865

600 – Telecommunications
Dai, Y.S., M. Xie, K.L. Poh and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183

800 – Personnel scheduling
Leemis, L.M.; *Nonparametric estimation and variate generation for a non-homogeneous Poisson process from event count data*; December; 1155

1040 – Design optimization
Ramirez-Marquez, J.E., D.W. Coit and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

1270 – Process modeling
Lee, C.H., Y.T. Kim and D.H. Park; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193

2000 – Applied optimization
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Ramirez-Marquez, J.E., D.W. Coit and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

2030 – Network flow programming and graphs
Jane, C.-C. and Y.-W. Laih; *Algorithms to determine the threshold reliability of flow networks*; May; 469

2040 – Metaheuristics
Valenzuela, J.F., J.S. Smith and J.L. Evans; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171

2060 – Multicriteria decision making
Xu, K., D.K.J. Lin, L.-C. Tang and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433

2070 – Nonlinear programming
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827

2080 – Optimal control
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

2120 – Data analysis
Ganesan, R., T.K. Das and V. Venkataraman; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787

2140 – Engineering statistics
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

2180 – Markov Chains
Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401
Park, C., J. Lee and Y. Kim; *Economic design of a variable sampling rate EWMA chart*; May; 387

2200 – Computer Technologies and Information Systems
Dai, Y.S., M. Xie, K.L. Poh and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183

2300 – Simulation
Cui, L., M. Xie and H.-T. Loh; *Inspection schemes for general systems*; September; 817

2310 – Input modeling
Leemis, L.M.; *Nonparametric estimation and variate generation for a non-homogeneous Poisson process from event count data*; December; 1155

2315 – Metamodeling
Cui, L., M. Xie and H.-T. Loh; *Inspection schemes for general systems*; September; 817

2320 – Monte Carlo integration
Cui, L., M. Xie and H.-T. Loh; *Inspection schemes for general systems*; September; 817

2325 – Optimization
Wu, Z., Y.C. Lam, S. Zhang and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447

4100 – Process optimization
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827

4120 – Design of experiments
Apley, D.W.; *A cautious minimum variance controller with ARIMA disturbances*; May; 417
Xu, K., D.K.J. Lin, L.-C. Tang and M. Xie; *Multiresponse systems optimization using a goal attainment approach*; May; 433

4140 – Optimization applications
Apley, D.W.; *A cautious minimum variance controller with ARIMA disturbances*; May; 417
Kethley, R.B. and M.H. Peters; *Extending economic design of p charts to handle user specified constraints using a genetic algorithm*; September; 855

4180 – Robust design
Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

4200 – Statistics and applied probability
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827

4220 – Probability modeling
Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827
Dai, Y.S., M. Xie, K.L. Poh and S.H. Ng; *A model for correlated failures in N-version programming*; December; 1183
Jiang, W.; *A joint monitoring scheme for automatically controlled processes*; December; 1201
Lee, C.H., Y.T. Kim and D.H. Park; *S-shaped software reliability growth models derived from stochastic differential equations*; December; 1193
Leemis, L.M.; *Nonparametric estimation and variate generation for a non-homogeneous Poisson process from event count data*; December; 1155
Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881
Tang, L.C. and W.T. Cheong; *Cumulative conformance count chart with sequentially updated parameters*; September; 841

4240 – Sampling
Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481

Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401

4300 – On-line quality control

Huang, Q. and J. Shi; *Variation transmission analysis and diagnosis of multi-operational machining processes*; September; 807

4320 – Inspection

Ben-Gal, I.; *An upper bound on the weight-balanced testing procedure with multiple testers*; May; 481

Valenzuela, J.F., J.S. Smith and J.L. Evans; *Allocating solder-paste printing inspection in high-volume electronics manufacturing*; December; 1171

4340 – Statistical quality control

Ben-Gal, I. and G. Singer; *Statistical process control via context modeling of finite-state processes: an application to production monitoring*; May; 401

Ganesan, R., T.K. Das and V. Venkataraman; *Wavelet-based multiscale statistical process monitoring: a literature review*; September; 787

Jiang, W.; *A joint monitoring scheme for automatically controlled processes*; December; 1201

Kethley, R.B. and M.H. Peters; *Extending economic design of p charts to handle user specified constraints using a genetic algorithm*; September; 855

Park, C., J. Lee and Y. Kim; *Economic design of a variable sampling rate EWMA chart*; May; 387

Shore, H., *Determining measurement error requirements to satisfy statistical process control performance requirements*; September; 881

Tang, L.C. and W.T. Cheong; *Cumulative conformance count chart with sequentially updated parameters*; September; 841

Wu, Z., Y.C. Lam, S. Zhang and M. Shamsuzzaman; *Optimization design of control chart systems*; May; 447

Yeh, A.B., L. Huwang and Y.-F. Wu; *A likelihood-ratio-based EWMA control chart for monitoring variability of multivariate normal processes*; September; 865

4360 – Automatic process control

Apley, D.W.; *A cautious minimum variance controller with ARIMA disturbances*; May; 417

Jin, J. and Y. Ding; *Online automatic process control using observable noise factors for discrete-part manufacturing*; September; 899

4400 – Reliability engineering

Chen, Y., J. Jin and J. Shi; *Integration of dimensional quality and locator reliability in design and evaluation of multi-station body-in-white assembly processes*; September; 827

Kolarik, W.J., J.C. Woldstad, S. Lu and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457

Ramirez-Marquez, J.E., D.W. Coit and A. Konak; *Redundancy allocation for series-parallel systems using a max-min approach*; September; 891

Tseng, S.-T. and C.-Y. Peng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161

4470 – Reliability prediction

Jane, C.-C. and Y.-W. Laih; *Algorithms to determine the threshold reliability of flow networks*; May; 469

Kolarik, W.J., J.C. Woldstad, S. Lu and H. Lu; *Human performance reliability: on-line assessment using fuzzy logic*; May; 457

4480 – Warranty

Tseng, S.-T. and C.-Y. Peng; *Optimal burn-in policy by using an integrated Wiener process*; December; 1161

GUEST REVIEWERS FOR 2004

Felix Abramovich, Tel Aviv University
Susan Albin, Rutgers University
Tayfur Altiok, Rutgers University
Raid Amin, University of West Florida
Charles W. Anderson, Colorado State University
M. Appa Anjanappa, University of Maryland
Bruce Ankenman, Northwestern University
Francisco Aparisi, Universidad Politecnica de Valencia
Daniel W. Apley, Northwestern University
Ronald G. Askin, University of Arizona
Sanjib Basu, Northern Illinois University
Mohamed Ben-Daya, King Fahd University of Petroleum & Minerals
Chris Bilder, University of Nebraska
David Booth, Kent State University
Connie Borror, Drexel University
Russell Boyles, Westview Analytics
Gerard P. Cachon, University of Pennsylvania
Johan S. Carlson, Fraunhofer-Chalmers Research Centre for Ind. Mathematics
C. Richard Cassady, University of Arkansas
Philippe Castagliola, Ecole des Mines de Nantes
Enrique del Castillo, The Pennsylvania State University
Darek Ceglarek, University of Wisconsin
Victor Chan, Western Washington University
Shing I. Chang, Kansas State University
Yong Chen, The University of Iowa
Argon Chen, National Taiwan University
Der-San Chen, The University of Alabama
F. Frank Chen, Virginia Polytechnic Institute and State University
Ying-Che Chien, Lucent Technologies
B.R. Cho, Clemson University
David Coit, Rutgers University
Bianca Colosimo, Politecnico di Milano
Tapas K. Das, University of South Florida
Tirthankar Dasgupta, Georgia Institute of Technology
Anoop K. Dhingra, University of Wisconsin, Milwaukee
Yu Ding, Texas A&M University
Nader Ebrahimi, Northern Illinois University
B. A. Ergashev, Washington University in St. Louis
Richard Feldman, Texas A&M University
Alberto Ferrer-Riquelme, Universidad Politicnica de Valencia
Tommaso Gastaldi, Universita degli Studi di Roma
Ruey-Shan Guo, National Taiwan University
Walter Gutjahr, University of Vienna
John M. Harris, Southern Company Services
Douglas M. Hawkins, University of Minnesota
David He, The University of Illinois at Chicago
Qi-Ming He, DalTech Dalhousie University
James J. Higgins, Kansas State University
Eng Ho, Vitria
Qiang Huang, University of South Florida
A. Freek Huele, Centre for Quantitative Methods CQM B.V.
NG Szu Hui, National University of Singapore
Ricki G. Ingalls, Oklahoma State University
Wei Jiang, Stevens Inst. of Technology
Judy Jin, The University of Arizona
Norman Johnson, University of North Carolina
Babu Joseph, Washington University in St. Louis

Seoung Bum Kim, Georgia Inst. of Technology
Kwang-Jae Kim, Pohang University of Science & Technology
T. Dora Kourti, McMaster University
Way Kuo, The University of Tennessee
Jerry Lawless, University of Waterloo
Lawrence Leemis, The College of William and Mary
Gregory Levitin, Israel Electric Corporation
Jing Li, University of Michigan
Jae-Hak Lim, Hanbat National University
Daming Lin, University of Toronto
Kevin W. Linderman, Carlson School of Management
Regina Liu, Rutgers University
James M. Lucas, J. M. Lucas Assoc.
Michael J. Luvalle, OFS Laboratories
R. M. Lyu, The Chinese University of Hong Kong
Jock MacKay, University of Waterloo
Terry Martin, University of Arkansas
Elaine Martin, University of Newcastle
Robert L. Mason, Southwest Research Institute
Christina Mastrangelo, University of Washington
John I. McCool, Penn State Great Valley
D.N.P. Murthy, University of Queensland
Vijay Nair, University of Michigan
William J. Padgett, University of South Carolina
Rong Pan, The University of Texas at El Paso
Geoffrey T. Parks, The University of Cambridge
Marcus Perry, Air Force Inst. of Technology
John Quigley, University of Strathclyde at Glasgow
Jayant Rajgopal, University of Pittsburgh
David M. Reineke, University of Wisconsin - LaCrosse
Benjamin Reiser, University of Haifa
Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University
George C. Runger, Arizona State University
Thomas P. Ryan,
Ammar Mahmoud Ali Sarhan, King Saud University
Jianjun Shi, University of Michigan
Haim Shore, Ben-Gurion University of the Negev
Lianjie Shu, University of Macau
Alice Smith, Auburn University
Pat Spicer, The University of Michigan
Stefan Steiner, University of Waterloo
Robert Storer, Lehigh University
Chang Sup Sung, Korea Advanced Inst. of Science & Technology
Terry Taylor, Columbia University
Dan Trietsch, The University of Auckland
Sheng-Tsaing Tseng, National Tsing-Hua University
Kwok-Leung Tsui, Georgia Inst. of Technology
Fugee Tsung, Hong Kong University of Science & Technology
Timothy Vaughan, University of Wisconsin
Jussi K. Vaurio, Fortum Power and Heat, Loviisa Power Station
Roshan Joseph Vengazhiyil, Georgia Institute of Technology
J. Rene Villalobos, Arizona State University
Don G. Wardell, University of Utah
Naruemon Wattanapongsakorn, King Mongkut's University of Technology, Thonburi
K. Preston White, Jr., University of Virginia
Thomas R. Willemain, Rensselaer Polytechnic Institute
James R. Wilson, North Carolina State University
William H. Woodall, Virginia Polytechnic Institute and State University
Min Xie, National University of Singapore
Chengjie Xiong, Southeast Missouri State University
Shigeru Yamada, Tottori University
Arthur Yeh, Bowling Green State University
Paul Zantek, University of Maryland
Panlop Zeephongsekul, RMIT University
Shiyu Zhou, University of Wisconsin, Madison